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SUBSTITUTE for PTO/SB Utility Patent Application Transmittal  
Approved through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCEUTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 20369Y

First Inventor or Application Identifier Zhao, et al.

Title IMPROVED RECOMBINANT HEPATITIS B SURFACE  
ANTIGEN

Express Mail Label No. EE208346604US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [ Total Pages 29 ]
3. ☒ Drawing(s) (35 USC 113) [ Total Sheets 7 ]  
[ Total Pages 36 ]
4. Oath or Declaration
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 14 completed)  
[Note Box 5 below]
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior  
application, see 37 CFR 1.63(d)(2)  
and 1.33 (b).
5. ☒ Incorporation By Reference (useable if Box 4b  
is checked). The entire disclosure of the prior  
application, from which a copy of the oath or  
declaration is supplied under Box 4b, is considered  
as being part of the disclosure of the accompanying  
continuation or divisional application and is hereby  
incorporated by reference therein.

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6. Nucleotide and/or Amino Acid Sequence Submission
- 
- (if applicable, all necessary)

- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
9. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
10. ☐ Preliminary Amendment
11. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
12. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
13. ☐ Other: \_\_\_\_\_


## 14. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No. 60 / 113,400

## 15. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code  
LabelCustomer No. 000210  
(Insert Customer No. or Attach bar code here)

NAME	Michael D. Yablonsky				
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Name	Michael D. Yablonsky	Registration No. (Attorney/Agent)	40,407
Signature		Date	12/22/1999

## EXPRESS MAIL CERTIFICATE

DATE OF DEPOSIT December 22, 1999

EXPRESS MAIL NO. EE208346604US

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE  
UNITED STATES POSTAL SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE"  
ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO ASSISTANT COMMISSIONER  
FOR PATENTS, BOX PATENT APPLICATION, WASHINGTON, D.C. 20231.MAILED BY 

DATE Dec 22, 1999

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Deposit Acct. 13-2755  
MERCK & CO., INC.  
Our Case Docket No. 20369Y

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the patent application of Inventor(s):  
Qinjian Zhao, Robert Sitrin, Dicky G. Abraham, David P. Gervais, Juan Giminez and Yang Wang

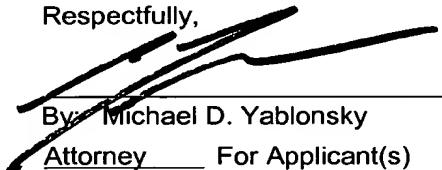
For: IMPROVED RECOMBINANT HEPATITIS B SURFACE ANTIGEN

For	Number Filed	Number Extra	Rate	Basic Fee \$760
Total Claims	20 - 20 =	0 X	\$18	= \$0
Independent Claims	2 - 3 =	0 X	\$78	= \$0
Multiple Dependent Claims*	0	0 X	\$260	= \$0
* Add this fee if application contains any multiple dependent claims, regardless of number.		TOTAL FILING FEE →		\$760

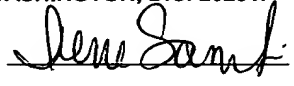
Please charge my Deposit Account No. 13-2755 in the amount of \$ 760. The Assistant Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Account No. 13-2755. Duplicate copy of this sheet is enclosed.

☒ Under the provisions of 37 C.F.R. §1.53, this application is being filed without the declaration of each inventor.

Respectfully,

By:   
Attorney For Applicant(s)  
Reg. No. 40,407  
MERCK & CO., INC.  
Patent Dept., RY60-30  
P.O. Box 2000  
Rahway, N.J. 07065-0907  
(732) 594- 4678

Date: December 21, 1999

EXPRESS MAIL CERTIFICATE	
DATE OF DEPOSIT	<u>December 22, 1999</u>
EXPRESS MAIL NO.	<u>EE208346604US</u>
<p>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE" ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.</p>	
MAILED BY	<u></u> DATE <u>Dec 22, 1999</u>

IN DUPLICATE